財團法人全國認證基金會
Taiwan Accreditation Foundation

Certificate of Accreditation

(Certificate No：L2262-241012)

This is to certify that

Photometric Solution International Ltd.

Light laboratory

2F,No. 5, Keji 1st Rd., Annan Dist., Tainan City , Taiwan (R.O.C.)

is accredited in respect of laboratory

Accreditation Criteria	：	ISO/IEC 17025:2017；CNS 17025:2018
Accreditation Number	：	2262
Originally Accredited	：	March 07, 2011
Effective Period	：	June 27, 2023 to June 26, 2026
Accredited Scope	：	Testing Field, see described in the Appendix
Specific Accreditation Program	：	Accreditation Program for Designated Testing Laboratory for Commodities Inspection Accreditation Program for Environmental protection product certification Testing Laboratory Accreditation Program for Energy Efficiency testing Laboratory

Scan to verify

Yi-Ling Chen

Yi-Ling Chen
President, Taiwan Accreditation Foundation
October 12, 2024

The Appendix forms an integral part of this Certificate, which shall be invalid when use without the Appendix

Accreditation Number ：2262

Laboratory Head ：CHUANG, Kuo-Chiang

◤ 18. 01 Commodity
DC or AC supplied electronic control gear for LED module
E001 Electrical Characteristics
Performance Properties
CNS 15174
IEC 62384
1 Ø, 300 Vac max., 20 A, max., 5 kVA max., 50 Hz/60 Hz

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
D.C. or A.C. Supplied Electronic Controlgear for LED Modules
E001 Safety
CNS 15467-2-13
IEC 61347-2-13
EN 61347-2-13
CNS 61347-2-13
1 Ø, 300 Vac max., 20 A, max., 5 kVA max., 50 Hz/60 Hz

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
LED modules for general lighting - Safety specifications
E001 Safety
CNS 15357
IEC 62031
1 Ø, 300 Vdc max., 20 A, max., 5 kVA max., 50 Hz/60 Hz

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Aquarium luminaires
E001 Safety
CNS 14335
IEC 60598-1
IEC 60598-2-11
1 Ø, 300 Vac max., 20 A, max., 5 kVA max., 50 Hz/60 Hz

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Portable general purpose luminaires
E001 Safety
CNS 14335
IEC 60598-1
IEC 60598-2-4

The Appendix forms an integral part of this Certificate, which shall be invalid when use without the Appendix

CNS 14335-2-4
1 Ø, 300 Vac max., 20 A, max., 5 kVA max., 50 Hz/60 Hz

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Lamp controlgear
E001 Safety
CNS 15467-1
IEC 61347-1
EN 61347-1
CNS 61347-1
1 Ø, 300 Vac max., 20 A, max., 5 kVA max., 50 Hz/60 Hz

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Discharge lamps (excluding fluorescent lamps)
E001 Safety
CNS 15467-2-9
IEC 61347-2-9
EN 61347-2-9
CNS 61347-2-9
1 Ø, 300 Vac max., 20 A, max., 5 kVA max., 50 Hz/60 Hz

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
A.C. supplied electronic ballasts for fluorescent lamps
E001 Safety
CNS 15467-2-3
IEC 61347-2-3
EN 61347-2-3
CNS 61347-2-3
1 Ø, 300 Vac max., 20 A, max., 5 kVA max., 50 Hz/60 Hz

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Ballasts for fluorescent lamps
E001 Safety
CNS 15467-2-8
IEC 61347-2-8
EN 61347-2-8
1 Ø, 300 Vac max., 20 A, max., 5 kVA max., 50 Hz/60 Hz

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Lighting chains
E001 Safety
CNS 14335
IEC 60598-1
IEC 60598-2-20
1 Ø, 300 Vac max., 20 A, max., 5 kVA max., 50 Hz/60 Hz

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

The Appendix forms an integral part of this Certificate, which shall be invalid when use without the Appendix

E001 Safety
CNS 14335
IEC 60598-1
CNS 60598-2-20
IEC 60598-2-20
1 Ø, 300 Vac max., 20 A, max., 5 kVA max., 50 Hz/60 Hz

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Fixed General Purpose Luminaires
E001 Safety
CNS 14335
IEC 60598-1
IEC 60598-2-1
CNS 14335-2-1
1 Ø, 300 Vac max., 20 A, max., 5 kVA max., 50 Hz/60 Hz

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Solid insulating materials
E001 Tracking test
(PTI/CTI)
IEC 60112
100 Vac to 600 Vac

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Floodlights
E001 Safety
CNS 14335
IEC 60598-1
IEC 60598-2-5
1 Ø, 300 Vac max., 20 A, max., 5 kVA max., 50 Hz/60 Hz

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Air-handling luminaires
E001 Safety
CNS 14335-2-19
IEC 60598-2-19
1 Ø, 300 Vac max., 20 A, max., 5 kVA max., 50 Hz/60 Hz

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Recessed luminaires
E001 Safty
CNS 14335
IEC 60598-1

The Appendix forms an integral part of this Certificate, which shall be invalid when use without the Appendix

IEC 60598-2-2
CNS 14335-2-2
1 Ø, 300 Vac max., 20 A, max., 5 kVA max., 50 Hz/60 Hz

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Ballasts for High Pressure Mercury Vapour Lamps
E001 Safety
CNS 2729
1 Ø, 300 Vac max., 20 A, max., 5 kVA max., 50 Hz/60 Hz

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
High-Pressure Mercury Vapor Lamp
E001 Safety
CNS 2658
0~1000W

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Luminaires with built-in transformers or convertors for filament lamps
E001 Safety
CNS 14335
IEC 60598-1
IEC 60598-2-6
CNS 14335-2-6
1 Ø, 300 Vac max., 20 A, max., 5 kVA max., 50 Hz/60 Hz

Approval Signatory: HUANG, Zhu-Wei

◤ 18. 01 Commodity
Fluorescent induction lamps-Safety requirements
E001 Safety
CNS 15535
IEC 62532
0~2000W

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Luminaires for road and street lighting
E001 Safety
CNS 14335
IEC 60598-1
IEC 60598-2-3
CNS 14335-2-3
1 Ø, 300 Vac max., 20 A, max., 5 kVA max., 50 Hz/60 Hz

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

The Appendix forms an integral part of this Certificate, which shall be invalid when use without the Appendix

◤ 18. 01 Commodity
Mains socket-outlet mounted nightlights
E001 Safety
CNS 14335
IEC 60598-1
CNS 60598-2-12
IEC 60598-2-12
1 Ø, 300 Vac max., 20 A, max., 5 kVA max., 50 Hz/60 Hz

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Tubular fluorescent lamps (for general lighting service)
E001 Safty
CNS 691
110W (Max.)

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Extra low voltage lighting systems for filament lamps
E001 Safety
CNS 14335
IEC 60598-1
CNS 60598-2-23
IEC 60598-2-23
1 Ø, 300 Vac max., 20 A, max., 5 kVA max., 50 Hz/60 Hz

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Light and Lighting Equipment
E002 EMC
CNS 14115
CISPR 15: 2013/AMD1: 2015
EN 55015: 2013/A1: 2015
Conducted interference: 9 kHz to 30 MHz
Radiated interference: 9 kHz to 30 MHz, 30 MHz to 300 MHz (CDN method)
Except Insertion loss

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Light soure & Luminiare
O011 Luminance
CNS 5064

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

O995 Photometry Characteristic Test
a. Luminous Intensity Distribution
b. Luminous Flux
c. Luminous Intensity

The Appendix forms an integral part of this Certificate, which shall be invalid when use without the Appendix

d. Luminous Efficiency
CIE 70
CIE 121
CIE 24
CIE 117

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Light source & luminiare
O014 Color Rendering Index (CRI, Ra)
CIE 13.3

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

O014
a. Correlated Color Temperature
b. Color Coordinates
CIE 15

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

O016 Glare Index-
UGR, Unified Glare Rating
CIE 117

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

O995 Photometry Characteristic Test
a. Luminous Flux
b. Correlated Color Temperature
c. Color Rendering Index
d. Luminous Efficiency
CIE 84

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Photobiological safety of LED
O024 Photobiological Safety testing
IEC 62471
(Photobiological Wave 200 nm to 3000 nm)

Approval Signatory: HUANG, Zhu-Wei

◤ 18. 01 Commodity
The Appliances for Skin exposoue, Ultraviolet Test of Insert Killer
O024 Photobiological Safety testing
IEC 60335-2-27 SEC.32
IEC 60335-2-59 SEC.32
CNS 60335-2-59

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

The Appendix forms an integral part of this Certificate, which shall be invalid when use without the Appendix

◤ 18. 01 Commodity
Lamps and lamp systems
O024 Photobiological Safety testing
CNS 15592
IEC 62471
IEC/TR 62471-2
EN 62471 (200 nm-3000 nm)

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Light sources and luminaires
O024 Photobiological Safety testing
IEC/TR 62778
300-780 nm

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
G5/G13 Double-capped integrated LED lamps
O995 Electrical Characteristics
Optical Properties
CNS 15983
1 Ø, 300 Vac max., 20 A, max., 5 kVA max., 50 Hz/60 Hz

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Fixtures of project lighting with LED Lamps
O995 Electrical Characteristics
Optical Properties
Harmonic Distortion/Surge/EMI
Energy Efficiency
CNS 15497

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
LED Luminaire
O995 Electrical Characteristics
Optical Properties
CNS 15603-1
IEC/PAS 62722-1

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
LED luminaires
O995 Electrical Characteristics
Optical Properties
CNS 15603-2-1
IEC/PAS 62722-2-1

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

The Appendix forms an integral part of this Certificate, which shall be invalid when use without the Appendix

◤ 18. 01 Commodity
LED modules for general lighting – Performance requirements
O995 Electrical Characteristics
Optical Properties
CNS 15602
IEC/PAS 62717

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Self-ballasted LED lamps for general lighting services
O995 Electrical Characteristics
Optical Properties
Harmonic Distortion/Surge/EMI
Energy Efficiency
CNS 15630
IEC 62612

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Self-ballasted compact fluorescent lamps for general lighting services
O995 Electrical Characteristics
Optical Properties
CNS 15726
Excluding Appendix H

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Bay light
O995 Energy efficiency
Photometry Characteristic
Bay light Energy Efficiency Criteria and Labeling Method for Energy Label

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Luminaires for outdoor landscape lighting
O995 Electrical Characteristics
Optical Properties
Surge/EMI
Energy Efficiency
CNS 15015
1 Ø, 500 Vac max., 20 A max., 50 Hz/60 Hz

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Exit lights and emergency direction lights
O995 Energy Efficiency
Exit lights and emergency direction lights Energy Label for Criteria of Energy Efficiency
EPA Announced Green Mark Criteria- No. 107

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

The Appendix forms an integral part of this Certificate, which shall be invalid when use without the Appendix

◤ 18. 01 Commodity
Self-ballasted gas-discharge lamps
O995 Electrical Characteristics
Optical Properties
CNS 15669
1 Ø, 300 Vac max., 20 A, max., 5 kVA max., 50 Hz/60 Hz

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Self-ballast LED-lamps
O995 Safety
Photobiological Safety
CNS 15436
IEC 62560
1 Ø, 300 Vac max., 20 A, max., 5 kVA max., 50 Hz/60 Hz

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Solid-State Lighting Products (SSL)
O995 Optical Properties
IESNA LM-79-08
CIE 13.3-1995
CIE 15: 2004
ANSI C78.377-2008
ANSI C82.77-2002

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
LED ceiling luminaires for indoor general lighting
O995 Electrical Characteristics
Optical Properties
Harmonic Distortion/Surge/EMI
Energy Efficiency
CNS 15437
1 Ø, 500 Vac max., 20 A max., 50 Hz/60 Hz

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Indoor Lighting Luminaires
O995 Electrical Characteristics
Optical Properties
Energy Efficiency
Indoor Lighting Luminaires Energy Label for Criteria of Energy Efficiency, and Label Regulation
EPA Announced Green Mark Criteria-No. 144

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

The Appendix forms an integral part of this Certificate, which shall be invalid when use without the Appendix

◤ 18. 01 Commodity
GX16t-5 capped tubular LED lamp
O995 Safety
Photobiological Safety
IEC 62931
1 Ø, 300 Vac max., 20 A, max., 5 kVA max., 50 Hz/60 Hz

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
High-pressure sodium vapor lamps
O995 Electrical Characteristics
Optical Properties
CNS 15049
1, 000 W max.

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Self-ballasted lamps for general lighting services
O995 Electrical Characteristics
Optical Properties
IEC 60968
EN 60968
CNS 15669
1 Ø, 300 Vac max., 20 A, max., 5 kVA max., 50 Hz/60 Hz

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Fixtures of roadway lighting with light emitting diode lamps / Gas discharge lamps fixtures of roadway lighting
O995 Electrical Characteristics
Optical Properties
Energy Efficiency
Fixtures of roadway lighting Energy Label for Criteria of Energy Efficiency, and Label Regulation
EPA Announced Green Mark Criteria-No. 143

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
LED Flat Panel Lighting Fixtures
LED panel luminaires for indoor general lighting
O995 Electrical Characteristics
Optical Properties
Harmonic Distortion/Surge/EMI
Energy Efficiency
Energy Efficiency Criteria and Labeling Method for LED Flat Panel Lighting Fixtures
CNS 16047
Technical Specifications for Smart and High-Efficiency Lighting Systems section 4
Technical Specifications for Smart and High-Efficiency Lighting Systems section 4
Except for the (14) standby power and the section 7 average illuminance value

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

The Appendix forms an integral part of this Certificate, which shall be invalid when use without the Appendix

◤ 18. 01 Commodity
LED traffic signal lanterns and lamp housing
O995 Electrical Characteristics
Harmonic Distortion/Surge
Energy Efficiency
CNS 14546
Excluding Sec.5.1.17、Sec.5.3.3

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Fixtures of roadway lighting with light emitting diode lamps
LED luminaires for highway and expressway lighting
O995 Electrical Characteristics
Optical Properties
Harmonic Distortion/Surge/EMI
Energy Efficiency
CNS 15233
CNS 16069
Technical specifications for LED street lights in Taiwan
Appendix 3 LED street lamp power supply requirements
Technical specifications for LED street lights in Taiwan-Appendix 3
LED street lamp power supply requirements - except for Harmonics and Surge

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
LED Lamps
O995 Electrical Characteristics
Optical Properties
Energy Efficiency
Energy Efficiency Criteria and Labeling Method for Self-ballasted LED lamps
EPA Announced Green Mark Criteria-No. 129

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Downlights and recessed lights
O995 Electrical Characteristics
Optical Properties
Energy Efficiency
Downlights and recessed lights Energy Label for Criteria of Energy Efficiency, and Label Regulation

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Open lighting
O995 Electrical Characteristics
Optical Properties
Energy Efficiency
Open lighting Energy Label for Criteria of Energy Efficiency, and Label Regulation

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

The Appendix forms an integral part of this Certificate, which shall be invalid when use without the Appendix

◤ 18. 01 Commodity
Lighting Products
O995 Flicker (Percent Flicker, Flicker Index)
CIE TN 006: 2016
ENERGY STAR® Program Requirements Product Specification for Lamps: Light Source Flicker

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Road traffic LED display panel
O995 Electrical Characteristics
CNS 14555
Chrominance、Luminance Uniformity、Operating Voltage

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Functions and properties testing for road traffic LED display panel
O995 Electrical Characteristics
CNS 14556
Luminance (Lv) 、Luminance Uniformity、Chrominance Uniformity (CU) 、
Test of current driven and power consumption

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Fixtures of roadway lighting
O995 Electrical Characteristics
Optical Properties
Harmonic Distortion/Surge
Energy Efficiency
CNS 9118
Fixtures of roadway lighting Energy Label for Criteria of Energy Efficiency, and Label Regulation

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

O995 Electrical Characteristics
Optical Properties
Energy Efficiency
Fixtures of roadway lighting Energy Label for Criteria of Energy Efficiency, and Label Regulation
EPA Announced Green Mark Criteria-No. 143

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Fluorescent Lamps
O995 Electrical Characteristics
Optical Properties
Energy Efficiency
Fluorescent Lamps Energy Label for Criteria of Energy Efficiency
EPA Announced Green Mark Criteria-No. 42

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

The Appendix forms an integral part of this Certificate, which shall be invalid when use without the Appendix

◤ 18. 01　Commodity
Office and business area lights
O995　Electrical Characteristics
Optical Properties
Energy Efficiency
Office and business area lights Energy Label for Criteria of Energy Efficiency, and Label Regulation

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01　Commodity
Double-capped LED tubular lamps
O995　Safety
Photobiological Safety
CNS 15438
IEC 62776
CNS 15829
1 Ø, 300 Vac max., 20 A, max., 5 kVA max., 50 Hz/60 Hz

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01　Commodity
Double-capped LED lamps
O995　Electrical Characteristics
Optical Properties
Harmonic Distortion/Surge/EMI
Energy Efficiency
CNS 16027
Double-capped LED lamps Energy Label for Criteria of Energy Efficiency, and Label Regulation
1 Ø, 300 Vac max., 20 A, max., 5 kVA max., 50 Hz/60 Hz

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 19. 99　Electronic and Electric
Polymer and Composite Materials
E001　Needle flame test
CNS 14545-8
IEC 60695-11-5

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 19. 99　Electronic and Electric
Electronic Polymer and Composite Materials, Products
E001　Glow wire test
CNS 14545-4
CNS 14545-5
CNS 14545-6
CNS 14545-7
IEC 60695-2-11
IEC 60695-2-12
IEC 60695-2-13

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

The Appendix forms an integral part of this Certificate, which shall be invalid when use without the Appendix

◤ 19. 99 Electronic and Electric
Electrical equipment
E001 Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code)
CNS 15772
IEC 62262, EN 62262
EN 50102
IK 07 to IK 10

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 19. 99 Electronic and Electric
Electronic and Electric Products
E001 Degrees of protection provided by enclosures (IP code)
CNS 14165
IEC 60529
IP 00 to IP 68

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

E003 Salt spray test
IEC 60068-2-11 Ka
IEC 60068-2-52 Kb (Test Method 1, 2)
CNS 3627
CNS 12874
CNS 8886 (NSS test)
ASTM B117
ISO 9227 (NSS test)

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 19. 99 Electronic and Electric
Electronic components and Electronic / Electric products
E003 Low Temperature Test Cold
IEC 60068-2-1 Test A
CNS 11233
(-40±3) ℃ to (+5±3) ℃

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

E003 Temperature Cycle
IEC 60068-2-14 Test Nb
CNS 3633 Test Nb
Temperature: -40 ℃ to 100 ℃
Temperature change rate: 3 ℃/min rise, 1 ℃/min decrease

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

E003 Dry Heat
IEC 60068-2-2 Test B
CNS 3634
(30±2) ℃ to (100±2) ℃

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

The Appendix forms an integral part of this Certificate, which shall be invalid when use without the Appendix

E003 Damp heat (steady state/cyclic)
IEC 60068-2-30 Test Db
IEC 60068-2-78 Test Cab
CNS 3623
CNS 12565

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

Accreditation Program for Designated Testing Laboratory for Commodities Inspection

◤ 18. 01 Commodity
Aquarium luminaires
E001 Safety
CNS 14335 (1999)
IEC 60598-2-11 (2005)
1 Ø, 300 Vac max., 20 A, max., 5 kVA max., 50 Hz/60 Hz

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Portable general purpose luminaires
E001 Safety
CNS 14335 (1999)
IEC 60598-2-4 (1997)
1 Ø, 300 Vac max., 20 A, max., 5 kVA max., 50 Hz/60 Hz

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Fixed General Purpose Luminaires
E001 Safety
CNS 14335 (1999)
IEC 60598-2-1 (1979)
IEC 60598-2-1 (1987)
1 Ø, 300 Vac max., 20 A, max., 5 kVA max., 50 Hz/60 Hz

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Recessed luminaires
E001 Safty
CNS 14335 (1999)
IEC 60598-2-2 (1979)
IEC 60598-2-2 (1997)
1 Ø, 300 Vac max., 20 A, max., 5 kVA max., 50 Hz/60 Hz

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Luminaires with built-in transformer or convertors for filament lamps
E001 Safety
CNS 14335 (1999)
IEC 60598-2-6 (1994)

The Appendix forms an integral part of this Certificate, which shall be invalid when use without the Appendix

IEC 60598-2-6 (1996)
1 Ø, 300 Vac max., 20 A, max., 5 kVA max., 50 Hz/60 Hz

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Lighting chains
E001 Safety
CNS 14335 (1999)
IEC 60598-2-20 (1998)
1 Ø, 300 Vac max., 20 A, max., 5 kVA max., 50 Hz/60 Hz

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Tubular fluorescent lamps
E001 Safety
CNS 691 (2000)
110W (Max.)

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Extra low voltage lighting systems for filament lamps
E001 Safety
CNS 14335 (1999)
IEC 60598-2-23 (1996)
IEC 60598-2-23 (2001)
1 Ø, 300 Vac max., 20 A, max., 5 kVA max., 50 Hz/60 Hz

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Light and Lighting Equipment
E002 EMC
CNS 14115 (2004)
CNS 14115 (2009)
CNS 14115 (2016)
Conducted interference: 9 kHz to 30 MHz
Radiated interference: 9 kHz to 30 MHz, 30 MHz to 300 MHz (CDN method)
Except Insertion loss

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Lamps and lamp systems
O024 Photobiological Safety testing
CNS 15592 (2012)
IEC 62471 (2006)

Approval Signatory: HUANG, Zhu-Wei

The Appendix forms an integral part of this Certificate, which shall be invalid when use without the Appendix

◤ 18. 01 Commodity
G5/G13 Double-capped LED lamps
O995 Electrical Characteristics
Optical Properties
Harmonic Distortion/Surge/EMI
Energy Efficiency
CNS 16027 (2019)
1 Ø, 300 Vac max., 20 A, max., 5 kVA max., 50 Hz/60 Hz

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
G5/G13 Double-capped integrated LED lamps
O995 Safety
Photobiological Safety
CNS 15983 (2019)
1 Ø, 300 Vac max., 20 A, max., 5 kVA max., 50 Hz/60 Hz

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Self-ballasted LED lamps for general lighting services with supply voltages
O995 Electrical Characteristics
Optical Properties
Harmonic Distortion/Surge/EMI
Energy Efficiency
CNS 15630 (2019)

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Self-ballast LED-lamps
O995 Safety
Photobiological Safety
CNS 15436 (2012)
1 Ø, 300 Vac max., 20 A, max., 5 kVA max., 50 Hz/60 Hz

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
GX16t-5 capped tubular LED lamp
O995 Electrical Characteristics
Optical Properties
CNS 62931 (2019)
1 Ø, 300 Vac max., 20 A, max., 5 kVA max., 50 Hz/60 Hz

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Double-capped LED tubular lamps
O995 Safety
Photobiological Safety
CNS 15438 (2019)

The Appendix forms an integral part of this Certificate, which shall be invalid when use without the Appendix

CNS 15829 (2015)
1 Ø, 300 Vac max., 20 A, max., 5 kVA max., 50 Hz/60 Hz

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

Accreditation Program for Environmental protection product certification Testing Laboratory

◤ 18. 01 Commodity
Indoor Light Fixtures
O995 Electrical Characteristics
Optical Properties
Energy Efficiency
EPA Announced Green Mark Criteria- No. 144

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Fixtures of Roadway Lighting with Light Emitting Diode Lamps
O995 Photometry Characteristic
Energy efficiency
Safety
EPA Announced Green Mark Criteria- No. 143

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
LED Lamps
O995 Electrical Characteristics
Optical Properties
Energy Efficiency
EPA Announced Green Mark Criteria-No. 129

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Fluorescent Lamps
O995 Electrical Characteristics
Optical Properties
Energy Efficiency
EPA Announced Green Mark Criteria-No. 42

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 25. 16 Fire Protection Equipment
Exit lights and emergency direction lights
E005 Energy Efficiency
EPA Announced Green Mark Criteria-No. 107

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

The Appendix forms an integral part of this Certificate, which shall be invalid when use without the Appendix

Accreditation Program for Energy Efficiency testing Laboratory

◤ 18. 01 Commodity
High Bay Lighting
E005 Energy efficiency
High Bay Lighting Energy Label for Criteria of Energy Efficiency, and Label Regulation

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Indoor Lighting Luminaires
E005 Energy Efficiency
Indoor Lighting Luminaires Energy Label for Criteria of Energy Efficiency, and Label Regulation

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
LED Flat Panel Lighting Fixtures
E005 Energy Efficiency
Energy Efficiency Criteria and Labeling Method for LED Flat Panel Lighting Fixtures

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
LED Lamp
E005 Energy Efficiency
LED Lamp Energy Label for Criteria of Energy Efficiency, and Label Regulation

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Downlights and recessed lights
E005 Energy Efficiency
Downlights and recessed lights Energy Label for Criteria of Energy Efficiency, and Label Regulation

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Open lighting
E005 Energy Efficiency
Open lighting Energy Label for Criteria of Energy Efficiency, and Label Regulation

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Fixtures of roadway lighting
E005 Energy Efficiency
Fixtures of roadway lighting Energy Label for Criteria of Energy Efficiency, and Label Regulation

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

The Appendix forms an integral part of this Certificate, which shall be invalid when use without the Appendix

◤ 18. 01 Commodity
Office and business area lights
E005 Energy Efficiency
Office and business area lights Energy Label for Criteria of Energy Efficiency, and Label Regulation

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 18. 01 Commodity
Double-capped LED lamps
E005 Energy Efficiency
Double-capped LED lamps Energy Label for Criteria of Energy Efficiency, and Label Regulation
1 Ø, 300 Vac max., 20 A, max., 5 kVA max., 50 Hz/60 Hz

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

◤ 25. 16 Fire Protection Equipment
Exit lights and emergency direction lights
E005 Energy efficiency
Exit lights and emergency direction lights Energy Label for Criteria of Energy Efficiency, and Label Regulation

Approval Signatory: CHEN, Jian-Yun; HUANG, Zhu-Wei

(Null below)

The Appendix forms an integral part of this Certificate, which shall be invalid when use without the Appendix